The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A display device comprising:
- a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a substrate; and

a plurality of sensor portions arranged in matrix over said substrate,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material,

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein each of said sensor portions includes a photo-electric conversion device, and can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

- 2. (Original) An apparatus according to claim 1, wherein said active device comprises a bottom gate type TFT.
- 3. (Original) An apparatus according to claim 1, wherein said active device comprises a top gate type TFT.
 - 4. (Currently Amended) A display device comprising:
- a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a first substrate; and
 - a plurality of sensor portions disposed in matrix over a second substrate opposed

to said first substrate,

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wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material,

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein each of said sensor portions has a photo-electric conversion device, and can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

- 5. (Original) An apparatus according to claim 4, wherein color filters are disposed on said opposed substrate.
- 6. (Original) An apparatus according to claim 4, wherein said active device comprises a bottom gate TFT.
- 7. (Original) An apparatus according to claim 4, wherein said active device comprises a top gate type TFT.
 - 8. (Currently Amended) A display device comprising:
- a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a substrate; and
- a plurality of sensor portions arranged in matrix over said substrate, wherein each of said sensor portions has a photo-electric conversion device, and at least a part of said photo-electric conversion device is extended in such a manner as to overlap with said active device,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material, and

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material.

- 9. (Original) An apparatus according to claim 8, wherein said active device comprises a top gate type TFT.
 - 10. (Previously Presented) A display device comprising:

a plurality of pixel portions each comprising a transistor and arranged in matrix over a substrate;

a plurality of sensor portions arranged in matrix over said substrate and comprising an upper electrode and a lower electrode and a photoelectric conversion layer provided between said upper electrode and said lower electrode;

an insulation film provided over said upper electrode; and

a pixel electrode provided over said insulation film and connected with one of a source region and a drain region of said transistor;

wherein said pixel electrode overlaps with said upper electrode with said insulation film therebetween to provide a capacitance.

- 11. (Original) An apparatus according to claim 10, wherein a reflecting material and a light-transmitting material are used for a pixel electrode of each said pixel portions.
 - 12. (Currently Amended) A semiconductor device comprising:

a pixel portion having comprising an active device and a pixel electrode over a substrate; and

a sensor portion provided over said substrate and comprising a photo-electric conversion device,

wherein said active device and said pixel electrode and said photo-electric conversion device are provided in one of pixels arranged in matrix,

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wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material,

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein said sensor portion can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

- 13. (Original) An apparatus according to claim 12, wherein said active device comprises a bottom gate type TFT.
- 14. (Original) An apparatus according to claim 12, wherein said active device comprises a top gate type TFT.
 - 15. (Currently Amended) A semiconductor device comprising:

a first substrate and a second substrate opposed to said first substrate;

a pixel portion having comprising an active device and a pixel electrode over said first substrate; and

a sensor portion provided over said second substrate and comprising a photoelectric conversion device,

wherein said active device and said pixel electrode and said photo-electric conversion device are provided in one of pixels arranged in matrix,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode

comprises a reflecting material,

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wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein said sensor portion can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

- 16. (Original) An apparatus according to claim 15, wherein color filters are disposed on said opposed substrate.
- 17. (Original) An apparatus according to claim 15, wherein said active device comprises a bottom gate type TFT.
- 18. (Original) An apparatus according to claim 15, wherein said active device comprises a top gate type TFT.
 - 19. (Currently Amended) A semiconductor device comprising:

a pixel portion having comprising an active device and a pixel electrode over a substrate; and

a sensor portion provided over said substrate and having a photo-electric conversion device,

wherein said active device and said pixel electrode and said photo-electric conversion device are provided in one of pixels arranged in matrix, and

wherein at least a part of said photo-electric conversion device is extended in such a manner as to overlap with said active device,

wherein a plane parallel to a direction of said matrix is divided into at least a first display region and a second display region in said pixel electrode,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material, and

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material.

- 20. (Original) An apparatus according to claim 18, wherein said active device comprises a top gate type TFT.
 - 21. (Previously Presented) A semiconductor device comprising:

a pixel portion comprising a transistor provided over a substrate; and

a sensor portion provided over said substrate and comprising an upper electrode and a lower electrode and a photoelectric conversion layer provided between said upper electrode and said lower electrode;

an insulation film provided over said upper electrode; and

a pixel electrode provided over said insulation film and connected with one of a source region and a drain region of said transistor;

wherein said pixel electrode overlaps with said upper electrode with said insulation film therebetween to provide a capacitance.

- 22. (Original) An apparatus according to claim 21, wherein a reflecting material and a light-transmitting material are used for a pixel electrode of said pixel portion.
 - 23. (Currently Amended) A display device comprising:

a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a substrate; and

a plurality of sensor portions arranged in matrix over said substrate,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material,

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein each of said sensor portions includes a photo-electric conversion device, and can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

24. (Currently Amended) A display device comprising:

a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a first substrate; and

a plurality of sensor portions disposed in matrix over a second substrate opposed to said first substrate,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material,

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material, and

wherein each of said sensor portions has a photo-electric conversion device, and can read information by utilizing the rays of light transmitting through said light-transmitting material when an external image is read.

25. (Currently Amended) A display device comprising:

a plurality of pixel portions each having comprising an active device and arranged in matrix and each having a pixel electrode over a substrate; and

a plurality of sensor portions arranged in matrix over said substrate, wherein each of said sensor portions has a photo-electric conversion device, and at least a part

of said photo-electric conversion device is extended in such a manner as to overlap with said active device,

wherein said pixel electrode comprises a first layer and a second layer, said second layer provided over said first layer,

wherein one of said first layer and said second layer of said pixel electrode comprises a reflecting material, and

wherein the other of said first layer and said second layer of said pixel electrode comprises a light-transmitting material.

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- 29. (Previously Presented) A device according to claim 1 wherein said pixel electrode has an image display function.
- 30. (Previously Presented) A device according to claim 4 wherein said pixel electrode has an image display function.
- 31. (Previously Presented) A device according to claim 8 wherein said pixel electrode has an image display function.
- 32. (Previously Presented) A device according to claim 12 wherein said pixel electrode has an image display function.
- 33. (Previously Presented) A device according to claim 15 wherein said pixel electrode has an image display function.
- 34. (Previously Presented) A device according to claim 19 wherein said pixel electrode has an image display function.

35. (Previously Presented) A device according to claim 23 wherein said pixel electrode has an image display function.

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- 36. (Previously Presented) A device according to claim 24 wherein said pixel electrode has an image display function.
- 37. (Previously Presented) A device according to claim 25 wherein said pixel electrode has an image display function.